

**Table 15. Maintenance Requirements for Dry/Wet Vaults, Tanks, Pipes**

INSPECTION FREQUENCY				
Vault Components	W	A	Condition when maintenance required	Action Required
<b>GENERAL</b>				
Trash/debris	✓	✓	More than 1 ft <sup>3</sup>	Remove/dispose
Sediment		✓	Accumulated sediment in vault/tank exceeds 6 inches.	Remove/dispose
Pollution ( <i>check for noticeable sheen or unusual odor</i> )		✓	Any visible accumulation of oil, gas, or other contaminant.	Remove/dispose
<b>VAULT/TANK STRUCTURE</b>				
Ladder		✓	Ladder rungs damaged, missing, or misaligned	Repair/replace
Concrete ( <i>inspect when vault cleaned</i> )		✓	Riser, concrete walls, or joints cracked or leaking. Bricks missing. Cracks greater than 0.5 inches wide.	Repair
Maintenance holes		✓	Cannot be opened by one person. Locking bolts missing or damaged	Repair/replace
		✓	Buried	Excavate
Inlet grates		✓	Cracked or broken grate	Replace
Baffle(s)		✓	Corroded, cracked, or warped.	Repair/replace
Air vents		✓	Plugged or blocked with debris	Clean
<b>CONTROL STRUCTURE</b>				
Shear gate ( <i>exercise full open/close and inspect</i> )		✓	Gate cannot be operated by 1 person	Lubricate, repair, or replace
		✓	Gate rusted, not watertight, or missing	Repair/replace
		✓	Chain or pull rod missing	Replace
		✓	Not plumb within 10%	Repair
		✓	Connection to outlet pipe rusted or leaking	Repair/replace
Orifice plates ( <i>inspect when vault cleaned</i> )		✓	Bent, rusted, or missing	Replace
Sediment/debris		✓	More than 12 inches of accumulated material.	Clean/remove
Outlet pipe		✓	Submerged or partially submerged	Check for downstream obstruction
Oil absorbent pads		✓	Pads missing or stained over more than 75% of pad area	Remove and replace
<b>SHUTOFF VALVE AND/OR MAINTENANCE DRAIN</b>				
Valve exercised		✓	Valve cannot be operated by 1 person. Valve rusted or not watertight.	Repair/replace
Sediment		✓	Vertical distance between sediment and drain pipe is less than 6 inches.	Remove and dispose
<b>INLET/OUTLET</b>				
Trash rack	✓	✓	Trash or other debris present on trash rack.	Clean and dispose trash
		✓	Bar screen damaged or missing	Replace
Pipes		✓	Root intrusion greater than 6 inches in length or less than 6 inches apart	Root saw pipes
Receiving water	✓	✓	Erosion damage along banks	Regrade/armour below outlet

**<sup>1</sup> Inspection frequency:**

W = Wet season inspections. Inspect the items that are checked once in the early part of the wet season (December) and again near the end of the wet season (March).

A = Annual inspection. Inspect the items that are checked once each year. To avoid interferences caused by rainfall, the annual inspection should be conducted during the dry season (August - September).